

10/01/382

-25-

MILLIMETER WAVE (MMW) RADIO FREQUENCY
TRANSCEIVER MODULE AND METHOD OF FORMING SAME

Abstract of the Disclosure

A low cost and high performance millimeter wave (MMW) radio frequency transceiver module includes

5 a substrate board and plurality of microwave monolithic integrated circuit (MMIC) chips supported by the substrate board and arranged in a receiver section, a local oscillator section and a transmitter section. A plurality of filters and radio frequency circuit

10 interconnects are formed on the substrate board and operative with and/or connecting the receiver, local oscillator and transmitter sections. A plurality of electrical interconnects are operative with and connect the receiver, local oscillator and transmitter

15 sections. A method of forming the millimeter wave radio frequency transceiver module is also disclosed.